

# Notice of Allowability

Application No.

09/696,674

Examiner

Blanche Wong

Applicant(s)

SASAGAWA, YASUSHI

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## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment dated July 23, 2007.
2. ☒ The allowed claim(s) is/are 6-11 and 17-22 (renumbered 1-12).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nathan Weber on July 31, 2007.

- Claims 2-4 and 13-15 have been cancelled.

### ***Allowable Subject Matter***

2. **Claims 6-11 and 17-22** are allowed.
3. The following is an examiner's statement of reasons for allowance:

With regard to claims 6 and 17, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router "specifying a port or a port group of the egress node by setting an IP address corresponding to the port or the port group of the egress node in a final ER-HOP-TLV field in ER-TLVs in Label Request Message of CR-LDP (Constraint-Based LSP setup using LDP (Label Distribution Protocol))" and "specifying a port or a port group of the relay node by setting an IP address corresponding to the port or the port group of the relay node in an intermediate ER-HOP-TLV field in ER-TLVs in Label Request Message of the CR-LDP."

With regard to claims 7 and 18, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router “specifying the port or the port group of the egress node and the port or the port group of the relay node by adding an intra-system port number or an intra-system port group number in an ER-HOP-TLV field in ER-TLVs in Label Request Message of CR-LDP (Constraint-Based LSP setup using LDP (Label Distribution Protocol)).”

With regard to claims 8 and 19, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router “explicating a port through which data should pass per system and specifying a port or a port group of the egress node by use of a resource class TLV field with ER-TLV in Label Request Message of CR-LDP (Constraint-Based LSP setup using LDP (Label Distribution Protocol)) being used as ER-HOP-TLV.”

With regard to claims 9 and 20, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router “specifying a port or a port group of the egress node by setting an IP address corresponding to the port or the port group of the egress node in a final Subject-object field in Explicit Route Objects in a path message of RSVP protocol (Resource reSerVation Protocol) extended for setting a label switched path in MPLS protocol (Multi Protocol Label Switching)” and “specifying a port or port group of the relay node by setting an IP address corresponding to the port

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or the port group of the relay node in an intermediate Subject-object field in Explicit Route Objects in the path message of the RSVP protocol.”

With regard to claims 10 and 21, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router “specifying a port or a port group of the egress node and a port or a port group of the relay node by adding an intra-system port number or an intra-system port group number in a Subject-object field in Explicit Route Objects in the path message of RSVP protocol (Resource reSerVation Protocol) extended for setting the label switched path in MPLS protocol (Multi Protocol Label Switching).

With regard to claims 11 and 22, the prior art fails to anticipate or make obvious an explicit routing method embodied in a packet router “specifying an MPLS (Multi Protocol Label Switching) explicit route by adding, to an MPLS-to-IP forwarding function of a port group in one specified egress node, a communication function with an MPLS-to-IP forwarding function of a port group in an intra-system other egress node, and a forwarding function to the port group in the intra-system other egress node; and wherein the one specified egress node and the intra-system other egress node are in a label switching router connected to an MPLS network and a non-MPLS network.”

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blanche Wong whose telephone number is 571-272-3177. The examiner can normally be reached on Monday through Friday, 830am to 530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edan Orgad can be reached on 571-272-7884. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*BW*

BW

July 31, 2007

EDAN ORGAD  
PRIMARY PATENT EXAMINER

*Edan Orgad 7/31/07*